

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1439608

Luminaire Tested: CB3-D-125U-055D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439608
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-125U-055D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

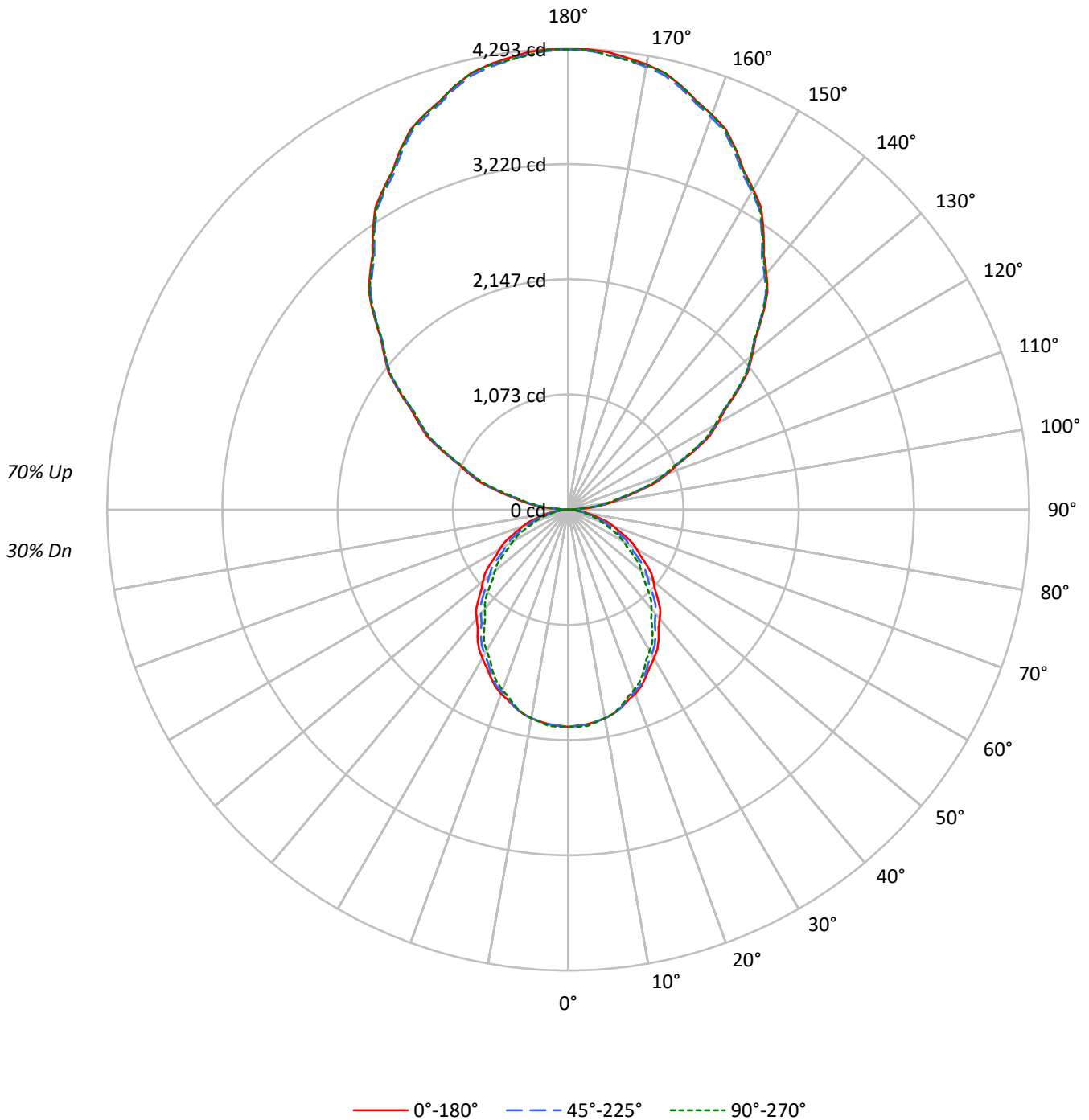
Lumens per Lamp: N/A
Luminaire Lumens: 15891.5 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 125.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
RC	80									70									50									30									10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0														
RCR																																						
0	102	102	102	102	92	92	92	92	72	72	72	55	55	55	38	38	38	30					30															
1	94	89	86	82	84	80	77	74	64	61	60	48	47	46	34	33	32	26					26															
2	85	78	72	67	76	70	65	61	56	52	49	42	40	38	30	29	27	22					22															
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	23	19					19															
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16					16															
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	21	19	18	14					14															
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	19	17	16	12					12															
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14	11					11															
8	51	39	32	27	46	36	29	25	29	24	21	22	19	16	16	14	12	10					10															
9	48	36	29	24	43	33	26	22	26	22	18	21	17	15	15	13	11	9					9															
10	44	33	26	21	40	30	24	20	24	20	16	19	16	13	14	12	10	8					8															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11448	11448	11448
5°	11394	11402	11486
10°	11344	11328	11328
15°	11171	11171	11104
20°	10990	10878	10763
25°	10694	10560	10372
30°	10432	10161	9917
35°	10157	9781	9434
40°	9791	9325	8922
45°	9459	8920	8369
50°	9118	8436	7830
55°	8746	7967	7317
60°	8344	7485	6738
65°	7875	6934	6127
70°	7334	6289	5458
75°	6649	5519	4861
80°	5796	4626	4300
85°	4472	3914	3914

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9459 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.9	1.2
10°-20°	536.4	3.4
20°-30°	778.4	4.9
30°-40°	884.6	5.6
40°-50°	858.7	5.4
50°-60°	725.0	4.6
60°-70°	515.8	3.2
70°-80°	275.6	1.7
80°-90°	72.8	0.5
90°-100°	181.2	1.1
100°-110°	709.0	4.5
110°-120°	1263.7	8.0
120°-130°	1710.1	10.8
130°-140°	1966.1	12.4
140°-150°	1972.9	12.4
150°-160°	1696.6	10.7
160°-170°	1148.5	7.2
170°-180°	405.1	2.5
0°-30°	1505.8	9.5
0°-40°	2390.4	15.0
0°-60°	3974.1	25.0
0°-90°	4838.4	30.4
90°-120°	2153.9	13.6
90°-150°	7802.9	49.1
90°-180°	11053.0	69.6
0°-180°	15891.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2024	2024	2024	2024	2024	
5°	2006	2032	2008	2005	2022	190
15°	1907	1924	1907	1896	1896	537
25°	1713	1719	1692	1669	1662	790
35°	1471	1457	1416	1374	1366	916
45°	1182	1164	1115	1061	1046	912
55°	887	863	808	756	742	793
65°	588	567	518	472	458	583
75°	304	287	252	227	222	324
85°	69	63	60	60	60	82
90°	0	0	0	0	0	9
95°	174	158	141	132	135	199
105°	687	684	661	651	644	734
115°	1289	1296	1266	1263	1260	1278
125°	1920	1943	1904	1898	1901	1717
135°	2558	2584	2542	2523	2548	1972
145°	3170	3196	3144	3128	3157	1981
155°	3699	3732	3670	3654	3693	1702
165°	4084	4120	4064	4042	4084	1151
175°	4278	4317	4258	4232	4249	406
180°	4288	4288	4288	4288	4288	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2023.6	2023.6	2023.6	2023.6	2023.6
2.5°	2013.2	2033.4	2015.5	2017.9	2022.4
5°	2006.3	2031.6	2007.8	2005.3	2022.5
7.5°	1990.8	2013.8	1989.1	1983.4	1996.0
10°	1974.8	2000.0	1971.9	1964.9	1971.9
12.5°	1946.1	1972.4	1950.1	1938.5	1944.4
15°	1907.3	1924.2	1907.3	1895.9	1895.9
17.5°	1860.0	1877.7	1845.9	1837.8	1834.1
20°	1825.5	1841.0	1806.9	1795.2	1787.8
22.5°	1779.6	1793.9	1765.6	1743.3	1737.3
25°	1713.2	1718.8	1691.7	1668.6	1661.6
27.5°	1649.8	1651.2	1613.9	1585.9	1576.6
30°	1597.0	1598.4	1555.4	1525.1	1518.1
32.5°	1544.2	1540.0	1499.1	1463.1	1458.4
35°	1470.7	1456.7	1416.2	1374.4	1366.0
37.5°	1382.0	1373.6	1325.8	1283.9	1271.3
40°	1325.8	1311.8	1262.7	1220.8	1208.1
42.5°	1269.6	1253.3	1203.0	1156.5	1142.7
45°	1182.3	1164.1	1114.9	1061.4	1046.0
47.5°	1094.5	1074.6	1020.5	968.7	951.6
50°	1036.0	1014.9	958.5	907.8	889.6
52.5°	976.3	954.1	897.6	845.9	831.1
55°	886.7	862.9	807.8	755.8	741.8
57.5°	797.2	773.6	718.9	669.7	652.9
60°	737.5	715.1	661.5	612.3	595.5
62.5°	676.7	655.3	602.9	554.9	539.2
65°	588.3	567.2	518.0	471.7	457.7
67.5°	500.8	482.8	434.2	391.7	380.5
70°	443.4	426.5	380.2	341.2	330.0
72.5°	388.3	370.3	326.3	293.1	285.2
75°	304.2	287.4	252.5	226.6	222.4
77.5°	227.3	213.5	183.4	168.7	166.4
80°	177.9	165.3	142.0	132.0	132.0
82.5°	132.0	121.6	106.5	102.2	102.2
85°	68.9	63.3	60.3	60.3	60.3
87.5°	20.7	20.7	19.5	18.4	18.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	47.4	42.2	26.3	21.0	21.0
95°	174.3	158.2	141.4	131.6	134.8
97.5°	321.6	306.2	285.4	275.6	278.2
100°	424.2	411.3	388.0	378.2	378.2
102.5°	524.2	516.5	493.3	483.5	486.0
105°	687.3	684.1	661.0	651.0	644.5
107.5°	867.5	861.7	835.9	835.1	829.3
110°	983.2	980.0	956.9	953.6	950.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1101.6	<i>1106.1</i>	1080.6	1077.2	1074.0
115°	1289.1	<i>1295.5</i>	1266.0	1262.7	1259.5
117.5°	1481.1	<i>1490.1</i>	1458.7	1455.3	1449.5
120°	1604.7	<i>1624.0</i>	1585.0	1581.6	1578.4
122.5°	1731.0	<i>1747.7</i>	1711.3	1705.3	1704.7
125°	1920.4	<i>1942.9</i>	1904.0	1897.5	1900.7
127.5°	2109.8	<i>2133.0</i>	2096.7	2083.7	2090.8
130°	2236.1	<i>2261.8</i>	2223.0	2210.0	2219.7
132.5°	2365.0	<i>2390.7</i>	2351.9	2339.0	2353.8
135°	2558.4	<i>2584.1</i>	2541.9	2522.8	2548.5
137.5°	2747.1	<i>2769.6</i>	2723.5	2710.3	2737.3
140°	2870.8	<i>2893.3</i>	2844.5	2828.8	2860.9
142.5°	2991.8	<i>3016.9</i>	2962.8	2947.2	2981.9
145°	3170.0	<i>3195.7</i>	3143.7	3127.9	3156.9
147.5°	3341.0	<i>3367.4</i>	3314.7	3296.3	3325.9
150°	3446.2	<i>3475.2</i>	3419.9	3404.2	3436.4
152.5°	3548.8	<i>3580.3</i>	3522.5	3504.4	3544.2
155°	3699.4	<i>3731.6</i>	3669.9	3654.3	3692.9
157.5°	3834.9	<i>3864.5</i>	3808.6	3792.9	3826.4
160°	3916.5	<i>3948.6</i>	3890.2	3874.6	3913.2
162.5°	3987.5	<i>4019.7</i>	3966.5	3945.6	3984.2
165°	4084.2	<i>4119.6</i>	4064.5	4042.4	4084.2
167.5°	4165.1	<i>4203.0</i>	4144.7	4124.6	4166.4
170°	4212.4	<i>4247.8</i>	4189.4	4164.1	4205.9
172.5°	4244.0	<i>4279.4</i>	4221.0	4195.3	4224.3
175°	4278.2	<i>4316.8</i>	4258.5	4232.5	4248.6
177.5°	<i>4293.3</i>	<i>4324.2</i>	<i>4277.5</i>	<i>4254.7</i>	<i>4290.7</i>
180°	4288.1	<i>4288.1</i>	4288.1	4288.1	4288.1



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.46	14.16	14.57	15.26	16.79	12.38	13.08	13.49	14.19	15.71
	3H	15.11	15.74	16.23	16.85	18.40	13.78	14.41	14.90	15.52	17.06
	4H	15.73	16.33	16.86	17.44	18.99	14.29	14.89	15.42	16.00	17.55
	6H	16.11	16.66	17.25	17.78	19.34	14.60	15.15	15.74	16.26	17.82
	8H	16.24	16.77	17.38	17.90	19.45	14.72	15.24	15.86	16.37	17.92
	12H	16.30	16.80	17.45	17.93	19.50	14.79	15.28	15.93	16.41	17.98
4H	2H	13.84	14.44	14.98	15.55	17.10	12.99	13.58	14.12	14.70	16.24
	3H	15.72	16.22	16.86	17.36	18.92	14.59	15.09	15.73	16.23	17.79
	4H	16.46	16.92	17.61	18.05	19.63	15.19	15.65	16.33	16.78	18.36
	6H	16.95	17.35	18.11	18.50	20.07	15.59	15.98	16.74	17.14	18.71
	8H	17.14	17.51	18.29	18.65	20.24	15.76	16.13	16.91	17.27	18.86
	12H	17.23	17.56	18.40	18.72	20.31	15.86	16.19	17.02	17.34	18.94
8H	4H	16.58	16.94	17.73	18.09	19.68	15.44	15.80	16.59	16.95	18.54
	6H	17.19	17.49	18.36	18.68	20.26	15.96	16.26	17.13	17.45	19.03
	8H	17.47	17.73	18.64	18.89	20.50	16.21	16.48	17.39	17.64	19.24
	12H	17.62	17.85	18.80	19.01	20.65	16.38	16.61	17.56	17.77	19.41
12H	4H	16.54	16.88	17.71	18.03	19.62	15.43	15.76	16.60	16.92	18.51
	6H	17.21	17.47	18.38	18.63	20.24	16.02	16.28	17.19	17.44	19.05
	8H	17.50	17.73	18.68	18.89	20.53	16.29	16.52	17.47	17.68	19.32